

David Bensoussan

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📱 Mini-pada

Embedded Systems Engineer

I am a passionate parisian engineering student able to develop **firmware solutions for robotics**. I like optimised conception, **smart and efficient work**. Most of my projects are focused on **embedded systems programming for robots and Internet of Things**

Experiences

MAINTOOL

April - July 2014

HEART SENSOR DESIGN

I learned how a **start up** works and **designed a pulse sensor** based on LEDs and a photodiode to be integrated in a **IoT object**. This allowed me to understand the electronic approach, computer and **signal processing** in a professional environment

ACTEL

July - August 2012

TELEMARKETER

One of my first jobs that allowed me to **develop my patience, my awareness of the concepts of hierarchy and professional effectiveness**

Projects

CATBOARD

Realization of a POC for a one handed keyboard

QUADRICOPTER

Designing a quadricopter from scratch

HACKROBOT

Making a hackable robot for the "Nuit Du Hack" event by participants

Education



5th year student specialized in Embedded Systems
Past robotics student organization's president

Boards : Arduino, MSP430, Altera DE2, Raspberry Pi, Galileo 2

Softwares : Quartus, Matlab, Eclipse, Eagle, SolidWorks

Languages : C, Python, ruby, ASM, HTML, CSS, javascript, LaTeX

Other skills : Apache, Wordpress

Award : Intel's IoT Roadshow 2014 (1500\$)

Hardware

Electronics ★★★★★★☆☆☆☆

Sensors ★★★★★★☆☆☆☆

FPGA ★★★★★★☆☆☆☆

Software

Protocols ★★★★★★☆☆☆☆

Linux ★★★★★★☆☆☆☆

RTOS ★★★★★★☆☆☆☆

Networks ★★★★★★☆☆☆☆

Others

3D Printers ★★★★★★☆☆☆☆

Algorithms ★★★★★★☆☆☆☆

LaTeX ★★★★★★☆☆☆☆

Signal Processing ★★★★★★☆☆☆☆

Git ★★★★★★☆☆☆☆

Robotics Student Organization

APEROBO

Organised an **appointment** of 150 robotics enthusiasts and a **competition between schools**

NUIT DU HACK (2011 - 2014)

Animated workshops of **electronics hacking**, Arduino and MSP430

TRAINING

Gave **courses, training and guidance** in robotics and electronics to school students

Interests

